

# C-SPINE GO ALL

Indications	Neck pain, fall, surgery, trauma						
Diagnostic Task	Detect fractures, herniated disk, spinal stenosis						
Scan mode	Helical						
Position/Landmark	Head or feet first-Supine Vertex of head						
Topogram	AP/Lat 30mA 130kV						
kVp/Reference mass	130kv 129mAs						
Rotation time/pitch	1.0/0.8						
Detector Configuration	32x0.7						
Table Speed/Increment	17.92						
Dose reduction	CareDose 4D						
Allowed CTDI ranges*	7mGy-50mGy						
XR29 Dose Notification value	50mGy						
Helical Set		body	thickness			recon	
		recon	part	spacing	kernel	window	destination
	1	thin	c-spine	0.8mmx0.8mm	Br60	osteo	pac
	2	c-spine		2mmx 2mm	Br40	spine disc	pac
	3	Cor	ST	2mmx 2mm	Br40	spine disc	pac
	4	Sag	ST	2mmx 2mm	Br40	spine disc	pac
	5	Cor	Bone	2mmx2mm	Br60	osteo	pac
6	Sag	Bone	2mmx2mm	Br60	osteo	pac	
Scan Start/end location	1cm superior to base of skull						
	1cm inferior to c-7						
DFOV	18 cm decrease appropriately						
	do a modified axial reformat 2x2( to get an axial view of c-spine)in bone						
IV contrast volume/type	none						
Scan delay	none						
NOTE*	*The AAPM recommended NEMA XR29 Dose Notification Value for an adult torso is 50mGy. Dose Notification levels less than the AAPM recommended can be set. The maximum CTDI vol should match the dose notification value. Exams with CTDI vol values less than the minimum allowed range should not be performed unless approved by a radiologist.						